Fig. 1

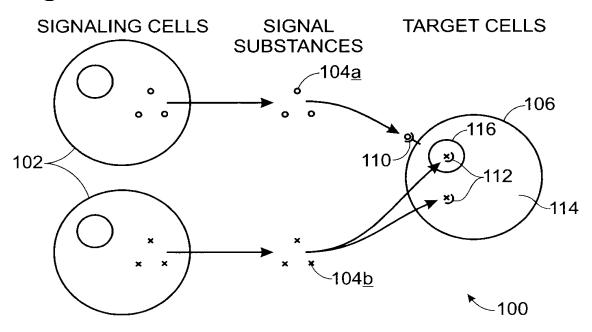


Fig. 2

G-PROTEIN-LINKED RECEPTOR MECHANISM

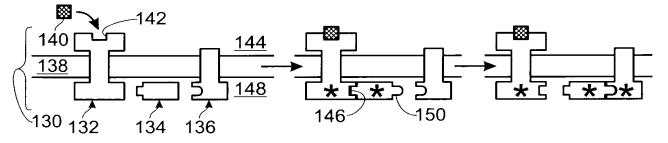
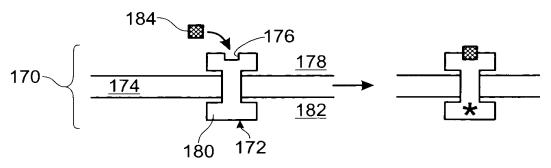
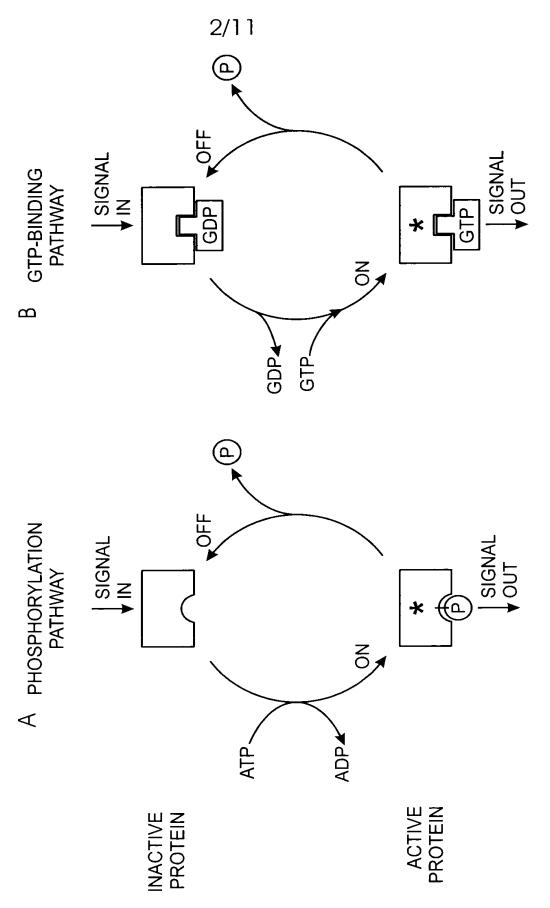


Fig. 3

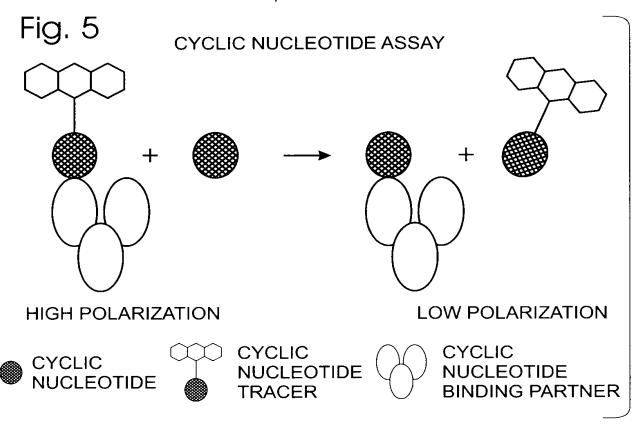
**ENZYME-LINKED RECEPTOR MECHANISM** 

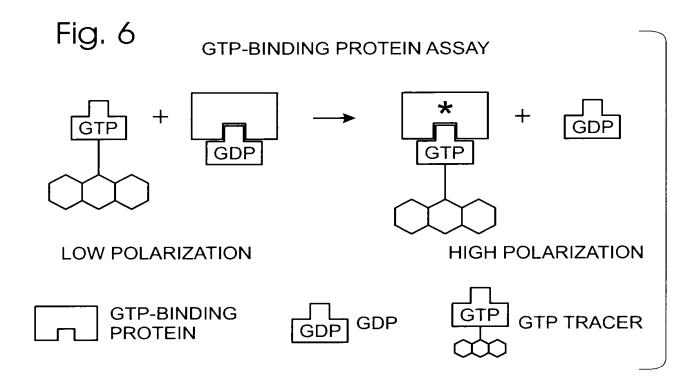


INTRACELLULAR SIGNALING PATHWAYS



3/11





fluorescein-ITC-1,4-DACHsuccinimidyl cAMP

fluorescein-ITC-1,2-DACHsuccinimidyl cAMP

carboxyfluorescein-1,4-DACHsuccinimidyl cAMP

carboxyfluorescein-1,2-DACHsuccinimidyl cAMP

fluorescein-ITC-1,4-DACHsuccinimidyl cGMP

fluorescein-ITC-1,2-DACHsuccinimidyl cGMP

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carboxyfluorescein-1,4-DACHsuccinimidyl cGMP

carboxyfluorescein-1,2-DACHsuccinimidyl cGMP

BRATORS] 3 [SAMPLES]	WORKING STOCK LIBRATOR ACER WORKING STOCK 10 $\mu$ L BUFFER 10 $\mu$ L SAMPLE 1 ACER WORKING STOCK 10 $\mu$ L CAMP TRACER WORKING STOCK 10 $\mu$ L CAMP TRACER WORKING STOCK 10 $\mu$ L CAMP TRACER WORKING STOCK	<b>→</b>	WORKING STOCK SALIBRATOR ACER WORKING STOCK 10 µL SAMPLE 2 10 µL SAMPLE 2 10 µL SAMPLE 2	<b>→</b>	WORKING STOCK 10 μL BUFFER 10 μL BUFFER 10 μL CAMP Ab WORKING STOCK 10 μL CAMP Ab WORKING STOCK 10 μL CAMP Ab WORKING STOCK 10 μL CAMP LE 3 ACER WORKING STOCK 10 μL CAMP TRACER WORKING STOCK	<b>→</b>	WORKING STOCK  SALIBRATOR  ACER WORKING STOCK  10 µL SAMPLE 4  10 µL SAMPLE 4  10 µL CAMP TRACER WORKING STOCK	
1 [cAMP CALIBRATORS]	10 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL 10 μM CALIBRATOR 10 μL cAMP TRACER WORKING STOCK	<b>→</b>	10 µL BUFFER 10 µL cAMP Ab WORKING STOCK 10 µL 3.33 µM CALIBRATOR 10 µL cAMP TRACER WORKING STOCK	<b>→</b>	10 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL 1.11 μM CALIBRATOR 10 μL cAMP TRACER WORKING STOCK	<b>→</b>	10 µL BUFFER 10 µL cAMP Ab WORKING STOCK 10 µL 0.37 µM CALIBRATOR 10 µL cAMP TRACER WORKING STOCK	_

Fig. 9B		
1 [cAMP CALIBRATORS]	2 [CONTROLS]	3 [SAMPLES]
10 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL 0.12 μM CALIBRATOR 10 μL cAMP TRACER WORKING STOCK	30 μL BUFFER 10 μL TRACER WORKING STOCK	10 µL BUFFER 10 µL cAMP Ab WORKING STOCK 10 µL SAMPLE 5 10 µL cAMP TRACER WORKING STOCK
<b>→</b>	<b>→</b>	
10 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL 0.041 μM CALIBRATOR 10 μL cAMP TRACER WORKING STOCK		10 µL BUFFER 10 µL cAMP Ab WORKING STOCK 10 µL SAMPLE 6 10 µL cAMP TRACER WORKING STOCK
<b>→</b>	<b>→</b>	<b>-</b>
10 µL BUFFER 10 µL cAMP Ab WORKING STOCK 10 µL 0.014 µM CALIBRATOR 10 µL cAMP TRACER WORKING STOCK	20 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL cAMP TRACER WORKING STOCK	10 µL BUFFER 10 µL cAMP Ab WORKING STOCK 10 µL SAMPLE 7 10 µL cAMP TRACER WORKING STOCK
<b>→</b>	<b>→</b>	-
10 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL 0.005 μM CALIBRATOR 10 μL cAMP TRACER WORKING STOCK		10 μL BUFFER 10 μL cAMP Ab WORKING STOCK 10 μL SAMPLE 8 10 μL cAMP TRACER WORKING STOCK
<b>→</b>	<b>-</b>	->

